Senior Scientific Investigator,

mRNA Therapy Project Leader (Woburn)

**About us**

Luye pharma is a leading life science group with R&D sites located in Greater Boston (MA), Princeton (NJ), as well as Nanjing and Yantai in China. We invent, discover, develop, manufacture and commercialize medicines for the treatment of serious diseases. We focus on promising therapies in oncology, CNS, metabolic disorders and infectious diseases. Luye offers an international, fast-paced and team-oriented work environment. The successful candidate can expect competitive salaries and benefit packages (health, dental, life, 401k).

**Summary of Position**

We are seeking a highly motivated and adaptable individual to join our rapidly growing team in the US as Senior Scientific Investigator and Project Leader of our mRNA drug candidates. We expect a proven track record of non-clinical and pre-clinical research with therapeutic mRNA acids and delivery concepts leading to IND filings. The successful candidate will report to the head of mRNA Gene Editing. He or she participates in the early R&D of innovative mRNA therapies for patients with serious diseases. The position requires passion, engagement and a desire to move projects forward.

**Responsibilities**

* Strategic leader of one (or more) mRNA projects in the areas of immuno/oncology, infectious diseases or vaccination program
* Integration of company decisions and business considerations into the project
* Prioritization of program key objectives, data reviews and milestone deliverables
* Adapting the mRNA therapeutic property to the selected disease profile, increasing the chance of successful treatment in patients
* Monitoring changing regulatory requirements, as well as competitive landscape
* Collaboration within the mRNA group, as well across other functions of Luye Geneleap
* As a team effort, identification of animal models for Non-GLP and GLP toxicology studies
* Demonstration of efficacy, durability and safety (especially immuno-safety) for innovative mRNA therapeutics and delivery vehicles, leading to identification of lead molecules within timelines
* Collect, analyze and document experimental data
* Present the final results to team members and line manager
* The successful candidate is expected to do hands-on bench work as requested

**Minimum Qualifications**

* MS in biology or related discipline and 7+ years of relevant research experience
* Ph.D. in biology or related discipline and 5+ years of relevant research experience
* Proven track record of leading mRNA programs through IND-enabling studies into clinical development
* Sound experience with mRNA therapeutics and *in vivo* delivery concepts (such as lipid nanoparticles)
* Ability to move projects forward and produce data on time
* Proficiency in the relevant areas of natural and synthetic mRNA biology (DNA, mRNA, protein)
* Understanding how medicinal chemistry efforts enhance mRNA performance
* Familiarity with a broad range of bioanalytical, molecular biology methods or biochemical assays to characterize mRNA and its impact on disease progression (such as ELISA, MSD, Flow Cytometry, RT-PCR, Nanostring)
* Capacity to identify and solve problems
* Excellent oral and written communication skills
* Motivation to work independently as part of a very collaborative, international team

**Preferred Qualifications**

* Prior research experience in biotech or pharmaceutical industry is mandatory, in particular the therapeutic application of mRNA or CRISPR/CAS technologies towards IND filing
* Patents or publications, if possible